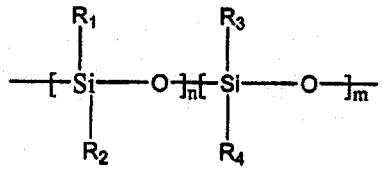
IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

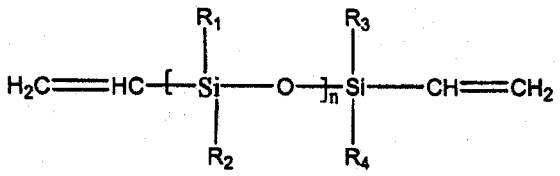
Claim 1-9 (Canceled)

10.(Currently Amended) ~~The replica as claimed in claim 9,~~ A replica obtained by carrying out a UV light-initiated or thermal curing treatment of a mixture comprising a silicon based reactive material, wherein the silicon based reactive material comprises a first component having a following composition:



(1)

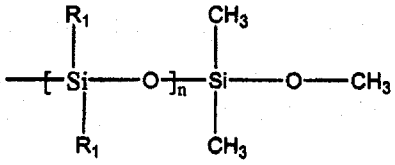
and a second component having a following composition



(2)

wherein R_1, R_2, R_3 and R_4 = hydrogen, ~~C_2-C_{10}-alkyl~~ C_1-C_{10}-alkyl, vinyl, phenyl, hydroxide, amino, halogen atom, and at least one of R_1, R_2, R_3 and R_4 is hydrogen, wherein n and m represent lengths of parts of the first component and the second component.

11. (Currently Amended) The replica as claimed in claim 10, wherein the silicon based reactive material further comprises a third component having a following composition:

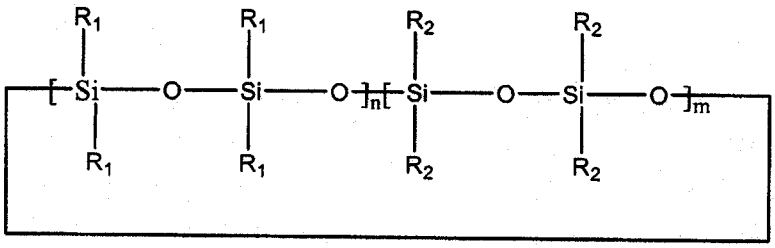


(3)

wherein n represents a length of parts of the third component.

12. (Currently Amended) The replica as claimed in claim 10, wherein the silicon based reactive material further comprises a

fourth component having a following composition:



(4)

wherein n and m represent lengths of parts of the fourth component.

13. (Currently Amended) The replica as claimed in ~~claim 9~~ claim 10, wherein ~~a transparency of~~ the replica is configured to have a transparency of at least 20%, when replicated on a glass material being transparent for the applied wavelength, measured at a thickness of 100 μm, an intensity of 100 $\mu W/cm^2$ and a wavelength range of 190-400 nm, during a period of at least 50 hours.

14. (Currently Amended) The replica as claimed in ~~claim 9~~ claim 10, wherein ~~a transparency of~~ the replica is configured to have a transparency of at least 90 %, when replicated on a glass material being transparent for the applied wavelength, measured at

a thickness of 100 μm, an intensity of 0.5 mW/cm^2 and a wavelength range of 190-400 nm, during a period of at least 5000 hours.

15. (Currently Amended) The replica as claimed in ~~claim 9~~ claim 10, wherein the replica is not birefringent.

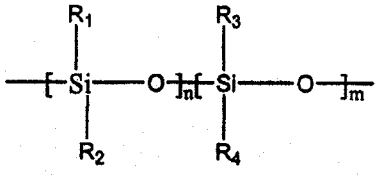
16. (Currently Amended) The replica as claimed in ~~claim 9~~ claim 10, wherein the replica obtained is an optical component.

17. (Currently Amended) The replica as claimed in claim 16, wherein the optical component obtained is a spherical lens, an ~~(a)~~ aspherical lens, a lens array, a prism, a grating or another relief structure for optical applications, or a combination thereof.

18. (New) The replica of claim 10, wherein the curable resin composition a platinum based catalyst in an amount of 5-10 ppm Pt.

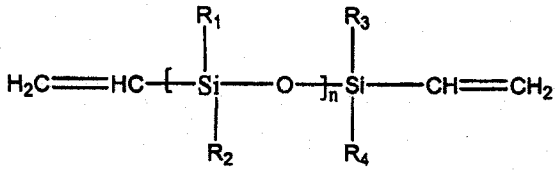
19. (New) A replica obtained by carrying out a UV light-initiated or thermal curing treatment of a curable resin

composition comprising a silicon based reactive material, wherein the silicon based reactive material comprises a mixture of the a first component (1), a second component (2), a third component (3), and a fourth component (4); the first component (1) including



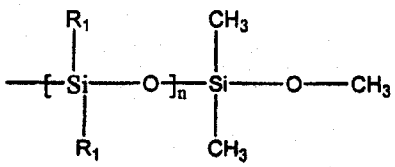
(1)

the second component (2) including



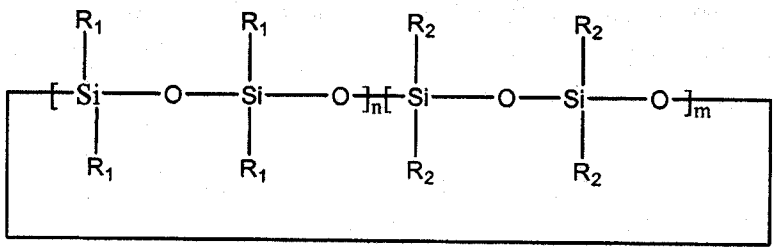
(2)

the third component (3) including



(3)

and the fourth component (4) including



(4)

wherein R_1, R_2, R_3 and R_4 = hydrogen, C_1-C_{10}-alkyl, vinyl, phenyl, hydroxide, amino, halogen atom, and at least one of R_1, R_2, R_3 and R_4 is hydrogen, and n and m are lengths of parts of the components.

20.(New) The replica of claim 19, wherein the first component (1) is present in an amount of 40-70 wt.%, based on a total weight of the curable resin composition; the second component (2) is present in an amount of 15-40 wt.%, based on the total weight of the curable resin composition; the third component (3) is present in an amount of 10-30 wt.%, based on the total weight of the curable resin composition; and the fourth component (4) is present in an amount of 1.0-5.0 wt.%, based on the total weight of the curable resin composition.

21.(New) The replica of claim 19, wherein the curable resin composition a platinum based catalyst in an amount of 5-10 ppm Pt.